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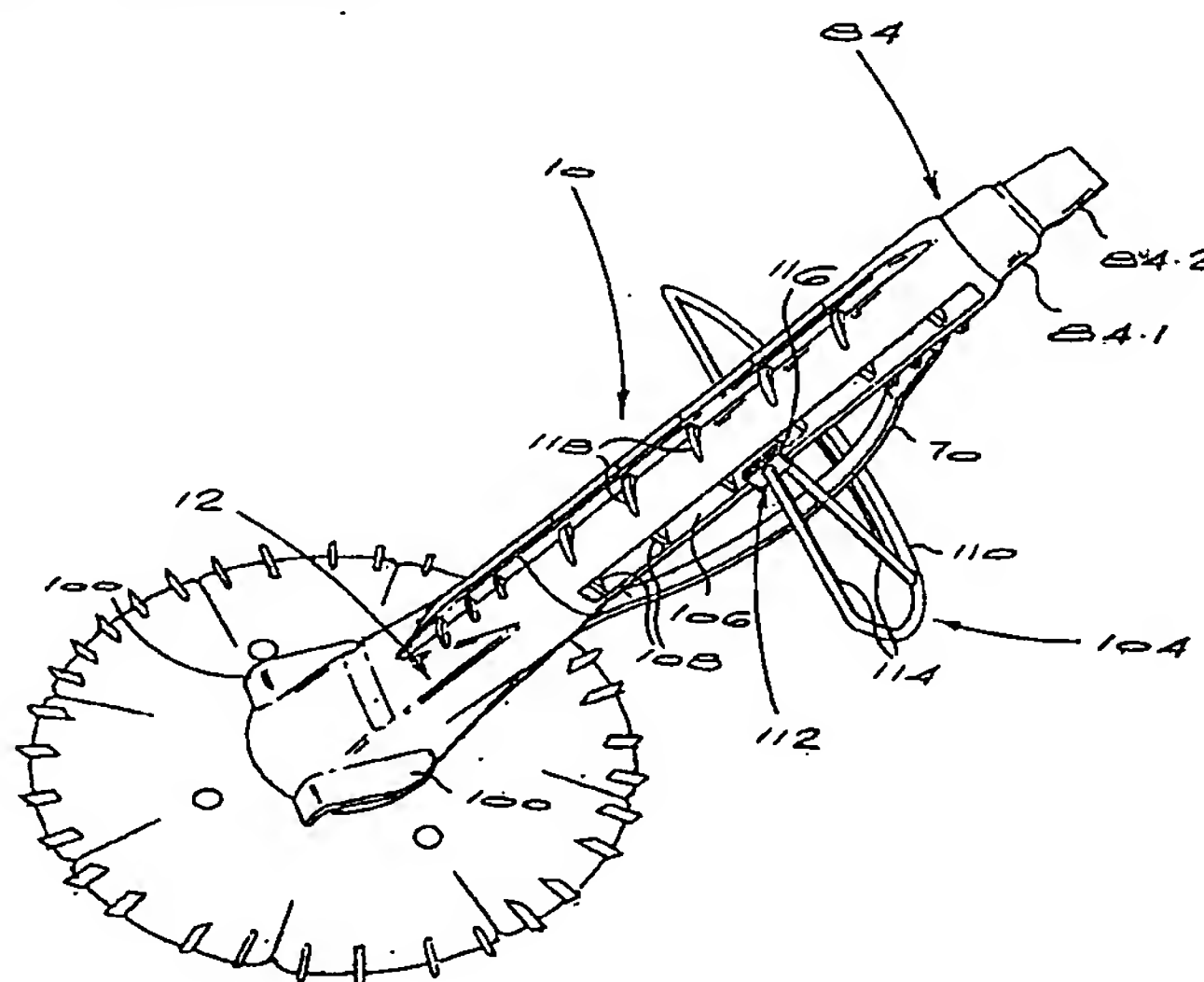
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(54) Title: **SUBMERGED SURFACE CLEANER**



(57) Abstract: The invention concerns a suction-type submerged surface cleaner (10) which comprises an injection moulded cleaner head (12) defining internal valve chamber (14). There is a suction inlet (24) to the valve chamber, and an outlet (45) from the valve chamber. A hammer (16) is arranged to oscillate in the valve chamber under the influence of suction flow through the valve chamber from the inlet to the outlet. Contact surfaces (54) of the valve chamber walls (46, 48), which are contacted by the hammer as it oscillates, are provided internally by regions of the valve chamber walls which are reduced locally in thickness compared to other regions of the valve chamber walls. Also, at least some relatively thick regions of the valve chamber walls are formed during moulding with internal cavities to provide buoyancy for the cleaner.



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